

TOWN OF RICHMOND WASTEWATER TREATMENT FACILITY

July 2019 Bill for: Stone Corral Brewery

C/O Peter & Heidi Bormann Huntington Road Acct. # 1760

					Monthly
					Costs
Biochemical Oxygen Demand (BOD)					
Flow Gallons for the Month			3525		
Monthly Flow in MGD for BOD			0.003525		
BOD strength per state report, mg/L:			2334	mg/L	
Total BOD lbs (monthly flow in MGD X 8.34 X BOD strength)			68.6	lbs	
Less normal load (monthly flow in MGD X 8.34 X 250 BOD strength)			7.3	lbs	
Excess loading (total BOD lbs – normal load)			61.3	lbs	
BOD cost calculation:					
WWLC / lbs of BOD per yr for the WWTF)			\$ 0.85	/lb.	
MONTHLY BOD COST ABOVE NORMAL LOAD					\$ 52.08
Base Rate Charges					
Commercial/Government Wastewater base rate			\$ 562.56		
Monthly Base Rate for Industry			\$ 46.88		
Fee to reserve loading (15% x Monthly Base Rate for Industry)			\$ 7.03		
MONTHLY BASE RATE CHARGES					\$ 53.91
Flow Charges					
Water usage for the month based on water meter			40,400	gallons	
minus beer produced			2,742	gallons	
minus high strength beer waste (HSBW)			1535	gallons	
minus solids from holding tank (SFHT)			15	gallons	
Total wastewater to be billed for flow:			36108	gallons	
Commercial metered rate Wastewater rate per 1000 gallons			\$ 17.83		
MONTHLY FLOW COST					\$ 643.81
TOTAL, ALL REGULAR COSTS TO BE BILLED FOR THIS MONTH					\$ 749.79
Total wastewater budget:					
Wastewater Administration		192388			
Wastewater Flow Costs		54200			
Wastewater Load Costs (WWLC)		152700			
Wastewater Capital Costs		<u>182712</u>			
Total		582000			
At 365 Days, 5/1/18 – 4/30/19; Total Influent BOD Pounds = 180,758 lb/BOD/yr					
Surcharge Rate for BOD = \$152,700/180,758 or \$0.85					